

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/030,386A  
Source: 1FW/6  
Date Processed by STIC: 1/3/06

# ***ENTERED***

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/030,386A

CRF Edit Date: 1/5/06  
Edited by: in

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

✓ Other: Charged duplicate <1407 to <1417



IFW16

## RAW SEQUENCE LISTING

DATE: 01/05/2006

PATENT APPLICATION: US/10/030,386A

TIME: 17:15:43

Input Set : N:\AMC\030386.txt

Output Set: N:\CRF4\01052006\J030386A.raw

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3 <110> APPLICANT: Max-Planck-Gesellschaft z.
4   Frd. d. Wissenschaften
6 <120> TITLE OF INVENTION: Plants With Modified Gene Expression
8 <130> FILE REFERENCE: DEBE:005US
10 <140> CURRENT APPLICATION NUMBER: 10/030,386A
C--> 11 <141> CURRENT FILING DATE: 2002-05-16
13 <150> PRIOR APPLICATION NUMBER: PCT/DE00/02233
14 <151> PRIOR FILING DATE: 2000-07-03
16 <150> PRIOR APPLICATION NUMBER: DE 199 30 570.6
17 <151> PRIOR FILING DATE: 1999-07-02
19 <160> NUMBER OF SEQ ID NOS: 8
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 3389
25 <212> TYPE: DNA
26 <213> ORGANISM: Arabidopsis thaliana
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31 aatatatttt atggttttaga gttttgtttt acgatttttg atttaatgga taaagattag 180
32 ggattgaggg tttgagttaa gggtaaggaa attaggcttt agtgtagagt ctcaagggtt 240
33 taaggtttac acaccacaaa ccatttgctt gtgtcaacaa cattgtatca tattttcaaa 300
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35 tgtggacaat atatatattga tacataatta gaaacatagt ttaatatctg atatttgttg 420
36 ggaatatata atactactta ggtttaaata tatagtattt catatgatgc gaactgtttg 480
37 gataagttta cgtggacaat atatatattga tacataatta ggaacatagt ttaatatattg 540
38 atatttgttg ggaatatata attctactta cgcttaaata tttttatttg aattaaagca 600
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40 ttaggaacat agtttaatat ctgatatttg ttggaaatat ataattattg ttaagcttaa 720
41 atatttttat ttgatataat atttgactta aacattttta tttgattaaa ctaaatttta 780
42 acagatctta ccattaattt ttaacttggt atctctatct aatgtcacgt atattgtttt 840
43 ttagtaattg gcaacaaaat taatttatct cctgtttttt ttccttctca cctttataag 900
44 ggtaaaatgg tcataaaatc agtaaaaaag gtggaaaagt gccactccc tcaaagtgt 960
45 cataaacgtc caaactttct ccataaatgc cttatttttg aacattccat atagattata 1020
46 acttattata ggttataact tattatagtt acgttaatta tatgaatttc tattagttat 1080
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52 atgacaattt atatggcggg cgagtttaaa tcgacattaa taacaattaa aatattataa 1440
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61 ttgaaaaatt catttactct actaatttgg ttactccatg gaccatgatt atgctattct 1980
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83 ttattgcaaa cattaaatta ctttcataga gagcaatcat tatattaagg taatttaatt 3300
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89 &lt;211&gt; LENGTH: 912

90 &lt;212&gt; TYPE: DNA

91 &lt;213&gt; ORGANISM: Arabidopsis thaliana

93 &lt;400&gt; SEQUENCE: 2

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96 ctaattgagc ctttaccgct tattgatcgc ataaacttga actcaaacct agacctaaac 180
97 cctaattccct tgtatgcgga agaaggagag caagaggagg aagaagaaga agaagaagac 240
98 cgtgaagtgg acgtggactt acacatcggc cttcctggtt ttggtaaacc aagcaatgat 300
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101 gggttcactc atttttcttg ccatgtatgc ttcaagacat tcaatcgcta caacaattct 480
102 cagatgcaca tgtggggaca tggttcacia tacaggaaag gaccggagtc actgaaaggc 540
103 acacagccac gagcatgtt agggatccct tgttactgct gcgttgaagg gtgcaggac 600
104 cacattgacc atctcgttc caagccactg aaagacttta ggacgtcca aacgcactac 660
105 aaacgcaaac accggacaaa acccttctcg tgcgccttt gcggttaagt tttggctgtc 720
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Output Set: N:\CRF4\01052006\J030386A.raw

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115 <213> ORGANISM: Arabidopsis thaliana
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119 1 5 10 15
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122 20 25 30
124 Gln Asn Ser Cys Ile Asn Asn Thr Leu Ile Glu Pro Leu Leu Ile
125 35 40 45
127 Asp Arg Ile Asn Leu Asn Ser Asn Leu Asp Leu Asn Pro Asn Pro Leu
128 50 55 60
130 Tyr Ala Glu Glu Gly Glu Gln Glu Glu Glu Glu Glu Glu Glu Asp
131 65 70 75 80
133 Arg Glu Val Asp Val Asp Leu His Ile Gly Leu Pro Gly Phe Gly Lys
134 85 90 95
136 Pro Ser Asn Asp Ala Lys Gln Leu Lys Lys Arg Asn Gly Lys Glu Ile
137 100 105 110
139 Ala Thr Tyr Asp Ala Gly Lys Gly Ile Glu Asn Glu Leu Ser Gly Lys
140 115 120 125
142 Ala Tyr Trp Ile Pro Ala Pro Glu Gln Ile Leu Ile Gly Phe Thr His
143 130 135 140
145 Phe Ser Cys His Val Cys Phe Lys Thr Phe Asn Arg Tyr Asn Asn Leu
146 145 150 155 160
148 Gln Met His Met Trp Gly His Gly Ser Gln Tyr Arg Lys Gly Pro Glu
149 165 170 175
151 Ser Leu Lys Gly Thr Gln Pro Arg Ala Met Leu Gly Ile Pro Cys Tyr
152 180 185 190
154 Cys Cys Val Glu Gly Cys Arg Asn His Ile Asp His Pro Arg Ser Lys
155 195 200 205
157 Pro Leu Lys Asp Phe Arg Thr Leu Gln Thr His Tyr Lys Arg Lys His
158 210 215 220
160 Gly His Lys Pro Phe Ser Cys Arg Leu Cys Gly Lys Leu Leu Ala Val
161 225 230 235 240
163 Lys Gly Asp Trp Arg Thr His Glu Lys Asn Cys Gly Lys Arg Trp Val
164 245 250 255
166 Cys Val Cys Gly Ser Asp Phe Lys His Lys Arg Ser Leu Lys Asp His
167 260 265 270
169 Val Lys Ala Phe Gly Ser Gly His Gly Pro Tyr Pro Thr Gly Leu Phe
170 275 280 285
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173 290 295 300
175 <210> SEQ ID NO: 4
176 <211> LENGTH: 1816
177 <212> TYPE: DNA

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DATE: 01/05/2006

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TIME: 17:15:43

Input Set : N:\AMC\030386.txt

Output Set: N:\CRF4\01052006\J030386A.raw

178 &lt;213&gt; ORGANISM: Arabidopsis thaliana

181 &lt;400&gt; SEQUENCE: 4

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183 catttccaat cccttgatct ctccctaac ctcaaccaa actcttgat caacaatacc 120
184 ctaattgagc ctttaccgct tattgatcgc ataaacttga actcaaact agacctaaac 180
185 cctaattccct tgtatgcgga agaaggagag caagaggagg aagaagaaga agaagaagac 240
186 cgtgaagtgg acgtggactt acacatcggc cttcctgggt ttggtaaacc aagcaatgat 300
187 gctaaacagc tgaagaagag aaatgggaag gagatcgcca catatgacgc cggaaaaggc 360
188 atcgagaatg aactttccgg aaaggcatac tggatcccg cgccggagca aattctcata 420
189 gggttcactc atttttcttg ccattgatgc ttcaagacat tcaatcgcta caacaatctt 480
190 caggtagcag tcaatatatc tcatgcgcac tgcttttcca tgcacaaaca tatataataa 540
191 attcatctta tagagttata tctccggatc taatgttatg agtttattca tatctatata 600
192 tatacatata tatatatata tatatatata attctgaatt tatttgataa 660
193 aagctaaaca accaggatgt aatagatgat ttaccttgg atcttattat acaatttaca 720
194 aatttaataca agtcaactaa tcgtgattta attactttt tttgtaagaa gagttggtaa 780
195 tatatatatt tatggtaatg ttttcatgaa aataattcat cacaactctt tacatttatt 840
196 taatgcctta actaaagctg aattcgaaaa agttgaaata aattatctac taagatttga 900
197 ttgactatag tttttaatag ttttcttttc tcatatatat attatcatag tagtcaaac 960
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212 cattcaagaa aagctt                                     1816

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214 &lt;210&gt; SEQ ID NO: 5

215 &lt;211&gt; LENGTH: 383

216 &lt;212&gt; TYPE: PRT

217 &lt;213&gt; ORGANISM: Artificial Sequence

219 &lt;220&gt; FEATURE:

220 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

221 Peptide

223 &lt;400&gt; SEQUENCE: 5

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225 1 5 10 15
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228 20 25 30
230 Leu Pro Pro Val Thr Pro Pro Ser Phe Phe Phe Phe Pro Gln Ser
231 35 40 45
233 Gly Asp Leu Arg Arg Pro Pro Pro Pro Thr Pro Pro Pro Ser Pro
234 50 55 60

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## RAW SEQUENCE LISTING

DATE: 01/05/2006

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TIME: 17:15:43

Input Set : N:\AMC\030386.txt

Output Set: N:\CRF4\01052006\J030386A.raw

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236 Pro Leu Arg Glu Ala Leu Pro Leu Leu Ser Leu Ser Pro Ala Asn Lys
237   65              70              75              80
239 Gln Gln Asp His His His Asn His Asp His Leu Ile Gln Glu Pro Pro
240              85              90              95
242 Ser Thr Ser Met Asp Val Asp Tyr Asp His His His Gln Asp Asp His
243              100             105             110
245 His Asn Leu Asp Asp Asp Asp His Asp Val Thr Val Ala Leu His Ile
246              115             120             125
248 Gly Leu Pro Ser Pro Ser Ala Gln Glu Met Ala Ser Leu Leu Met Met
249              130             135             140
251 Ser Ser Ser Ser Ser Ser Arg Thr Thr His His Glu Asp Met
252 145              150             155             160
254 Asn His Lys Lys Asp Leu Asp His Glu Tyr Ser His Gly Ala Val Gly
255              165             170             175
257 Gly Gly Glu Asp Asp Asp Glu Asp Ser Val Gly Gly Asp Gly Gly Cys
258              180             185             190
260 Arg Ile Ser Arg Leu Asn Lys Gly Gln Tyr Trp Ile Pro Thr Pro Ser
261              195             200             205
263 Gln Ile Leu Ile Gly Pro Thr Gln Phe Ser Cys Pro Val Cys Phe Lys
264              210             215             220
266 Thr Phe Asn Arg Tyr Asn Asn Met Gln Met His Met Trp Gly His Gly
267 225              230             235             240
269 Ser Gln Tyr Arg Lys Gly Pro Glu Ser Leu Arg Gly Thr Gln Pro Thr
270              245             250             255
272 Gly Met Leu Arg Leu Pro Cys Tyr Cys Cys Ala Pro Gly Cys Arg Asn
273              260             265             270
275 Asn Ile Asp His Pro Arg Ala Lys Pro Leu Lys Asp Phe Arg Thr Leu
276              275             280             285
278 Gln Thr His Tyr Lys Arg Lys His Gly Ile Lys Pro Phe Met Cys Arg
279              290             295             300
281 Lys Cys Gly Lys Ala Phe Ala Val Arg Gly Asp Trp Arg Thr His Glu
282 305              310             315             320
284 Lys Asn Cys Gly Lys Leu Trp Tyr Cys Ile Cys Gly Ser Asp Phe Lys
285              325             330             335
287 His Lys Arg Ser Leu Lys Asp His Ile Lys Ala Phe Gly Asn Gly His
288              340             345             350
290 Gly Ala Tyr Gly Ile Asp Gly Phe Asp Glu Glu Asp Glu Pro Ala Ser
291              355             360             365
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298 <211> LENGTH: 441
299 <212> TYPE: PRT
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302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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306 <400> SEQUENCE: 6
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**VERIFICATION SUMMARY**

DATE: 01/05/2006

PATENT APPLICATION: US/10/030,386A

TIME: 17:15:44

Input Set : N:\AMC\030386.txt

Output Set: N:\CRF4\01052006\J030386A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date



**Raw Sequence Listing before editing,  
for reference only**



IFW16

## RAW SEQUENCE LISTING

DATE: 01/03/2006

PATENT APPLICATION: US/10/030,386A

TIME: 11:47:29

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3 <110> APPLICANT: Max-Planck-Gesellschaft z.  
 4 Ford. d. Wissenschaften  
 6 <120> TITLE OF INVENTION: Plants With Modified Gene Expression  
 8 <130> FILE REFERENCE: DEBE:005US  
 10 <140> CURRENT APPLICATION NUMBER: 10/030,386A  
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 13 <141> CURRENT FILING DATE: 2002-12-19  
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 15 <151> PRIOR FILING DATE: 2000-07-03  
 16 <150> PRIOR APPLICATION NUMBER: DE 199 30 570.6  
 17 <151> PRIOR FILING DATE: 1999-07-02  
 19 <160> NUMBER OF SEQ ID NOS: 8  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 3389  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Arabidopsis thaliana  
 28 <400> SEQUENCE: 1

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 33 taaggtttac acaccacaaa ccatttgctt gtgtcaacaa cattgtatca tattttcaaa 300  
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**Does Not Comply  
 Corrected Diskette Needed**

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DATE: 01/03/2006

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TIME: 11:47:29

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62 gtaggactct aacaactgac ttgacacaat ctctttcgtg aacaataatg gggtatat 2040
63 ttttgttttg ttttttcgga caaattagcc acgttgcttt agaccatttt gtagttctta 2100
64 tcttgaatca aagtctcagc taaaaaaaaa aaaaaaacgc ttaaatccac tagctagact 2160
65 acgactacgt tggttaaatg ttttttttta aatacaatac attgaagtta aatatttgaa 2220
66 taaagaaaat ctaatcagca tgtatacagt atattagaag taatacttga tcagaaaaat 2280
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69 gtatgaatat tgaattgtgg agaccgga taatatttga ctaggcagaa attattgata 2460
70 tgtactaagt taataacctt gcaaagaaat tcttttagtg aaacgtgtac atttgtaaaa 2520
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72 gtatgtcaaa tctagtgttt acaaaaccag aggtgttgac cgttagagag agaattaaac 2640
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79 cccaagatt cccatttact cacttctcta tttggtacgt aagtcacaca atatgattct 3060
80 aaattatttt acacattatt cgttttggtt acacttgctt tcgactttcg taaacctata 3120
81 tagttcatcc aatattattc ggtaaattcg atatttatca atctttattc tcgtagggtta 3180
82 aaggagacga ttgatacgtg ggatctactt acgtatctgc atgattatta gttataaaag 3240
83 ttattgcaa cattaatta ctttcataga gagcaatcat tatattaagg taatttaatt 3300
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92 <400> SEQUENCE: 2
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96 ctaattgagc ctttaccgct tattgatcgc ataaacttga actcaaacct agacctaaac 180
97 cctaataccct tgtatgcgga agaaggagag caagaggagg aagaagaaga agaagaagac 240
98 cgtgaagtgg acgtggactt acacatcggc ctctctggtt ttggtaaaacc aagcaatgat 300
99 gctaaacagc tgaagaagag aaatgggaag gagatcgcca catatgacgc cggaaaaggc 360
100 atcgagaatg aactttccgg aaaggcatac tggatcccg cgcggagca aattctcata 420
101 gggttcactc atttttcttg ccatgtatgc ttcaagacat tcaatcgcta caacaatctt 480
102 cagatgcaca tgtggggaca tggttcacia tacaggaaa gaccggagtc actgaaaggc 540
103 acacagccac gagccatggt agggatccct tgttactgct gcgttgaagg gtgcaggaac 600
104 cacattgacc atcctcggtc caagccactg aaagacttta ggacgctcca aacgcactac 660
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## RAW SEQUENCE LISTING

DATE: 01/03/2006

PATENT APPLICATION: US/10/030,386A

TIME: 11:47:29

Input Set : N:\SMITH\pto.ts.txt

Output Set: N:\CRF4\01032006\J030386A.raw

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108 gggccttata caactggttt gtttgaagag caggcttcta attcatctgt ctccgagact 900
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114 <212> TYPE: PRT
115 <213> ORGANISM: Arabidopsis thaliana
117 <400> SEQUENCE: 3
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121 Lys Pro Arg His His Phe Gln Ser Leu Asp Leu Phe Pro Asn Leu Asn
122 20 25 30
124 Gln Asn Ser Cys Ile Asn Asn Thr Leu Ile Glu Pro Leu Pro Leu Ile
125 35 40 45
127 Asp Arg Ile Asn Leu Asn Ser Asn Leu Asp Leu Asn Pro Asn Pro Leu
128 50 55 60
130 Tyr Ala Glu Glu Gly Glu Gln Glu Glu Glu Glu Glu Glu Asp
131 65 70 75 80
133 Arg Glu Val Asp Val Asp Leu His Ile Gly Leu Pro Gly Phe Gly Lys
134 85 90 95
136 Pro Ser Asn Asp Ala Lys Gln Leu Lys Lys Arg Asn Gly Lys Glu Ile
137 100 105 110
139 Ala Thr Tyr Asp Ala Gly Lys Gly Ile Glu Asn Glu Leu Ser Gly Lys
140 115 120 125
142 Ala Tyr Trp Ile Pro Ala Pro Glu Gln Ile Leu Ile Gly Phe Thr His
143 130 135 140
145 Phe Ser Cys His Val Cys Phe Lys Thr Phe Asn Arg Tyr Asn Asn Leu
146 145 150 155 160
148 Gln Met His Met Trp Gly His Gly Ser Gln Tyr Arg Lys Gly Pro Glu
149 165 170 175
151 Ser Leu Lys Gly Thr Gln Pro Arg Ala Met Leu Gly Ile Pro Cys Tyr
152 180 185 190
154 Cys Cys Val Glu Gly Cys Arg Asn His Ile Asp His Pro Arg Ser Lys
155 195 200 205
157 Pro Leu Lys Asp Phe Arg Thr Leu Gln Thr His Tyr Lys Arg Lys His
158 210 215 220
160 Gly His Lys Pro Phe Ser Cys Arg Leu Cys Gly Lys Leu Leu Ala Val
161 225 230 235 240
163 Lys Gly Asp Trp Arg Thr His Glu Lys Asn Cys Gly Lys Arg Trp Val
164 245 250 255
166 Cys Val Cys Gly Ser Asp Phe Lys His Lys Arg Ser Leu Lys Asp His
167 260 265 270
169 Val Lys Ala Phe Gly Ser Gly His Gly Pro Tyr Pro Thr Gly Leu Phe
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173 290 295 300
175 <210> SEQ ID NO: 4
176 <211> LENGTH: 1816

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/030,386A

TIME: 11:47:29

Input Set : N:\SMITH\pto.ts.txt

Output Set: N:\CRF4\01032006\J030386A.raw

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178 <213> ORGANISM: Arabidopsis thaliana
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184 ctaattgagc ctttaccgct tattgatcgc ataaacttga actcaaacct agacctaaac 180
185 cctaatacct tgtatgcgga agaaggagag caagaggagg aagaagaaga agaagaagac 240
186 cgtgaagtgg acgtggactt acacatcggc cttcctgggt ttggtaaacc aagcaatgat 300
187 gctaaacagc tgaagaagag aaatgggaag gagatcgcca catatgacgc cggaaaaaggc 360
188 atcgagaatg aactttccgg aaaggcatac tggatcccg cgccggagca aatttctcata 420
189 gggttcactc atttttcttg ccatgtatgc ttcaagacat tcaatcgcta caacaatctt 480
190 caggtagcag tcaatatatc tcatgcgcac tgcttttcca tgcacaaaca tatataataa 540
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192 tatacatata tatatatata tatatatata tatatatata attctgaatt tatttgataa 660
193 aagctaaaca accaggattt aatagatgat ttacctttgg atcttattat acaatttaca 720
194 aatttaatca agtcaactaa tctgtattta attacttttt tttgtaagaa gagttggtaa 780
195 tatatatatt tatggtaatg ttttcatgaa aataattcat cacaactctt tacattttatt 840
196 taatgcctta actaaagctg aattcgaaaa agttgaaata aattatctac taagatttga 900
197 ttgactatag tttttaatag ttttcttttc tcatatatat attatcatag tagtcaaaac 960
198 atttgattca aacttaaata cacagatttc ttgaatgaaa cattactatg ctcggtcaat 1020
199 aatatgattt taaggaaaca tgttatttca ttttattact taaggaaacc tttttgtttt 1080
200 ttgttgactc taaatattat gaatatagat gcacatgtgg ggacatgggt cacaatacag 1140
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207 ttctaattca tctgtctccg agactttgtt tttttaaatt tgggcacatt tttctttcgc 1560
208 ttatgaaata tctatttact ttagaaaaat aataatgtgg tatctaattg ttccaaatta 1620
209 ggaacacgaa gtgtaccatt atatttttca tctactacaa tgttattcag agaaaattat 1680
210 cattaattgt ctcgttaaag atagaatagg gtttgaattt atcaaattt aaaaacagat 1740
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214 <210> SEQ ID NO: 5
215 <211> LENGTH: 383
216 <212> TYPE: PRT
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
221 Peptide
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225 1 5 10 15
227 Pro Phe His His Tyr Pro Asn Ser Ser Thr Asn Pro Ser Pro His Pro
228 20 25 30
230 Leu Pro Pro Val Thr Pro Pro Ser Ser Phe Phe Phe Phe Pro Gln Ser
231 35 40 45
233 Gly Asp Leu Arg Arg Pro Pro Pro Pro Pro Thr Pro Pro Pro Ser Pro

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## RAW SEQUENCE LISTING

DATE: 01/03/2006

PATENT APPLICATION: US/10/030,386A

TIME: 11:47:29

Input Set : N:\SMITH\pto.ts.txt

Output Set: N:\CRF4\01032006\J030386A.raw

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236 Pro Leu Arg Glu Ala Leu Pro Leu Leu Ser Leu Ser Pro Ala Asn Lys
237 65      70      75      80
239 Gln Gln Asp His His Asn His Asp His Leu Ile Gln Glu Pro Pro
240      85      90      95
242 Ser Thr Ser Met Asp Val Asp Tyr Asp His His His Gln Asp Asp His
243      100      105      110
245 His Asn Leu Asp Asp Asp Asp His Asp Val Thr Val Ala Leu His Ile
246      115      120      125
248 Gly Leu Pro Ser Pro Ser Ala Gln Glu Met Ala Ser Leu Leu Met Met
249      130      135      140
251 Ser Ser Ser Ser Ser Ser Ser Arg Thr Thr His His His Glu Asp Met
252 145      150      155      160
254 Asn His Lys Lys Asp Leu Asp His Glu Tyr Ser His Gly Ala Val Gly
255      165      170      175
257 Gly Gly Glu Asp Asp Asp Glu Asp Ser Val Gly Gly Asp Gly Gly Cys
258      180      185      190
260 Arg Ile Ser Arg Leu Asn Lys Gly Gln Tyr Trp Ile Pro Thr Pro Ser
261      195      200      205
263 Gln Ile Leu Ile Gly Pro Thr Gln Phe Ser Cys Pro Val Cys Phe Lys
264      210      215      220
266 Thr Phe Asn Arg Tyr Asn Asn Met Gln Met His Met Trp Gly His Gly
267 225      230      235      240
269 Ser Gln Tyr Arg Lys Gly Pro Glu Ser Leu Arg Gly Thr Gln Pro Thr
270      245      250      255
272 Gly Met Leu Arg Leu Pro Cys Tyr Cys Cys Ala Pro Gly Cys Arg Asn
273      260      265      270
275 Asn Ile Asp His Pro Arg Ala Lys Pro Leu Lys Asp Phe Arg Thr Leu
276      275      280      285
278 Gln Thr His Tyr Lys Arg Lys His Gly Ile Lys Pro Phe Met Cys Arg
279      290      295      300
281 Lys Cys Gly Lys Ala Phe Ala Val Arg Gly Asp Trp Arg Thr His Glu
282 305      310      315      320
284 Lys Asn Cys Gly Lys Leu Trp Tyr Cys Ile Cys Gly Ser Asp Phe Lys
285      325      330      335
287 His Lys Arg Ser Leu Lys Asp His Ile Lys Ala Phe Gly Asn Gly His
288      340      345      350
290 Gly Ala Tyr Gly Ile Asp Gly Phe Asp Glu Glu Asp Glu Pro Ala Ser
291      355      360      365
293 Glu Val Glu Gln Leu Asp Asn Asp His Glu Ser Met Gln Ser Lys
294      370      375      380
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298 <211> LENGTH: 441
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304 Peptide
306 <400> SEQUENCE: 6

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VERIFICATION SUMMARY

DATE: 01/03/2006

PATENT APPLICATION: US/10/030,386A

TIME: 11:47:30

Input Set : N:\SMITH\pto.ts.txt

Output Set: N:\CRF4\01032006\J030386A.raw

L:11 M:283 W: Missing Blank Line separator, <140> field identifier

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date